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Abstract

Arrangement of luminescent materials, wavelength-converting casting compound and light source

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The invention proposes an arrangement of luminescent materials for excitation by means of a radiation source and involving the use of a luminescent material having a Ce-activated garnet structure $A_3B_5O_{12}$, in which the first component A contains at least one element from the group consisting of Y, Lu, Sc, La, Gd, Sm and Tb and the second component B represents at least one of the elements Al, Ga and In, and a plurality of the luminescent materials are mixed together. An associated wavelength-converting casting compound and an associated light-source arrangement are further proposed.

Fig. 1